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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:49:34 ; Search time 140.11 Seconds
(without alignments)
5.511 Million cell updates/sec

Title: US-09-331-631a-3_COPY_74_116
Perfect score: 250
Sequence: 1 NQDDPQTDCQQCQRRCRQOE..... RQQYCQRRCKEICEEEBYY 4 3
Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

- 1: Issued_Patents_AA:*
- 2: /cgn2_6/pctodata/2/iaa/5a_COMB.pep:*
- 3: /cgn2_6/pctodata/2/iaa/6_COMB.pep:*
- 4: /cgn2_6/pctodata/2/iaa/PCTUS_COMB.pep:*
- 5: /cgn2_6/pctodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	112	44.8	566	1 US-07-955-905A-2
2	112	44.8	566	1 US-07-955-905A-22
3	96	38.4	587	1 US-07-955-905A-23
4	63.5	25.4	34	2 US-08-822-561-1
5	61.5	24.6	301	2 US-08-626-905-25
6	59.5	23.8	215	4 PCT-US93-05000-33
7	58.5	23.4	88	2 US-08-465-380-43
8	58.5	23.4	88	2 US-08-436-397-43
9	58.5	23.4	88	2 US-08-486-399-43
10	58.5	23.4	88	2 US-08-461-963-43
11	58.5	23.4	88	2 US-08-634-641-43
12	58.5	23.4	88	3 US-09-249-471-43
13	58.5	23.4	88	3 US-09-249-472-43
14	58.5	23.4	88	3 US-09-249-451-43
15	58.5	23.4	88	3 US-08-809-455-43
16	58.5	23.4	88	3 US-09-249-461-43
17	58.5	23.4	88	3 US-09-249-448-43
18	58.5	23.4	514	2 US-08-950-022-14
19	58	23.2	440	1 US-08-333-350-8
20	58	23.2	440	1 US-08-694-501-8
21	58	23.2	440	1 US-08-694-501-8
22	58	23.2	447	1 US-08-373-935-1
23	57.5	23.0	644	2 US-08-700-700A-9
24	57.5	23.0	1210	2 US-08-484-433-7
25	57.5	23.0	2210	2 US-08-475-035-4
26	57	22.8	223	3 US-09-608-11
27	55.5	22.2	303	1 US-08-09-393A-2
28	55.5	22.2	US-08-459-019A-2	

ALIGNMENTS

RESULT 1 ; Sequence 2, Application US/07955905A ; Patent No. 577043 ; GENERAL INFORMATION: ; APPLICANT: ; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND PRECURSOR ; NUMBER OF SEQUENCES: 28 ; COMPUTER READABLE FORM: ; MEDIUM TYPE: Floppy disk ; COMPUTER: IBM PC compatible ; OPERATING SYSTEM: PC-DOS/MS-DOS ; SOFTWARE: Patcentin Release #1.0, Version #1.25 (EPO) ; CURRENT APPLICATION DATA: ; APPLICATION NUMBER: US/07/955, 905A ; FILING DATE: 21-JAN-1993 ; CLASSIFICATION: 435 ; INFORMATION FOR SEQ ID NO: 2: ; SEQUENCE CHARACTERISTICS: ; LENGTH: 566 amino acids ; TYPE: amino acid ; TOPOLOGY: linear ; MOLECULE TYPE: protein

US-07-955-905A-2

Query Match Best Local Similarity 44.8%; Score 112; DB 1; Length 566; Matches 19; Conservative 10; Mismatches 11; Indels 0; Gaps 0;

Qy 2 QDDPQTDCQQCQRRCRQESPRQQYCQRCKEICEEEBYY 41

Db .78 EBELQROYQQCQRRCRQEQQQCQRCKEWEQYKEQE 117

RESULT 2 ; Sequence 22, Application US/07955905A ; Patent No. 577043 ; GENERAL INFORMATION: ; APPLICANT: ; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND PRECURSOR ; NUMBER OF SEQUENCES: 28 ; COMPUTER READABLE FORM: ; MEDIUM TYPE: Floppy disk ; COMPUTER: IBM PC compatible ; OPERATING SYSTEM: PC-DOS/MS-DOS ; SOFTWARE: Patcentin Release #1.0, Version #1.25 (EPO) ; CURRENT APPLICATION DATA: ;

APPLICATION NUMBER: US-07/955, 905A
FILING DATE: 21-JAN-1993
CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 566 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Theobroma cacao
FEATURE:
NAME/KEY: Protein
LOCATION: 1..566
OTHER INFORMATION: /note= "67 kD precursor protein"
US-07-955-905A-22

RESULT 3
US-07-955-905A-23
Query Match 44.8%; Score 112; DB 1; Length 566;
Best Local Similarity 47.5%; Pred. No. 4.7e-05; Mismatches 10; Indels 0; Gaps 0;
Matches 19; General Information:
; Sequence 23, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 kD COCOA PROTEINS AND
; TITLE OF INVENTION: PRECURSOR
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/442, 910
; FILING DATE: 17-MAY-1995
; APPLICATION NUMBER: US 07/535, 127
; FILING DATE: 05-JUN-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Yates, Michael J.
; REGISTRATION NUMBER: 36, 063
; REFERENCED DOCKET NUMBER: 0124C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (515) 248-4800
; FAX: (515) 248-4844
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34 amino acids
; STRANDEDNESS:
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-822-561-1

RESULT 4
US-08-822-561-1
Query Match 44.8%; Score 112; DB 1; Length 566;
Best Local Similarity 47.5%; Pred. No. 4.7e-05; Mismatches 10; Indels 0; Gaps 0;
Matches 19; General Information:
; Sequence 23, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 kD COCOA PROTEINS AND
; TITLE OF INVENTION: PRECURSOR
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/442, 910
; FILING DATE: 17-MAY-1995
; APPLICATION NUMBER: US 07/535, 127
; FILING DATE: 05-JUN-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Yates, Michael J.
; REGISTRATION NUMBER: 36, 063
; REFERENCED DOCKET NUMBER: 0124C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (515) 248-4800
; FAX: (515) 248-4844
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34 amino acids
; STRANDEDNESS:
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-822-561-1

RESULT 5
US-08-056-906-25
Query Match 25.4%; Score 63.5; DB 2; Length 34;
Best Local Similarity 44.0%; Pred. No. 0.55; Mismatches 6; Indels 7; Gaps 1;
Matches 11; General Information:
; Sequence 25, Application US/08656906
; Patent No. 5972901
; GENERAL INFORMATION:
; APPLICANT: Ferko Jr., Thomas W.
; APPLICANT: Davis, Pamela B.
; APPLICANT: Ziady, Assem-Galal
; APPLICANT: Serpin Enzyme Complex Receptor -
; TITLE OF INVENTION: Mediated Gene Transfer
; TITLE OF INVENTION: Mediated Gene Transfer
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medien & Carroll
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94104
; COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/656,906
 FILING DATE: 03-JUN-1996
 CLASSIFICATION: 514
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/
 FILING DATE: 03-JUN-1996
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: WO WO 95/25809
 FILING DATE: 23-MAR-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/216,534
 FILING DATE: 23-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Ingolia, Diane E.
 REGISTRATION NUMBER: 40,027
 REFERENCE/DOCKET NUMBER: CASE-02280
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 705-8410
 TELEX: (415) 397-8338
 INFORMATION FOR SEQ ID NO: 25:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 301 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-656-906-25

RESULT 6

Query Match 24.6%; Score 61.5; DB 2; Length 301;
 Best Local Similarity 31.4%; Pred. No. 6.8; Matches 11; Conservative 9; Mismatches 10; Indels 5; Gaps 1;

Qy 9 COQCQRQRCQEQSGPROQQYCORRKFICEEEEEEY 43
 Db 26 CRRRRRCCR---RRRRCRRRRCCRRRSY 294

Query Match 23.8%; Score 59.5; DB 4; Length 215;
 Best Local Similarity 27.0%; Pred. No. 8.2; Matches 17; Conservative 8; Mismatches 15; Indels 23; Gaps 3;

Qy 4 DPPD-----COCQR-RCRQEQSGPQQ-----QYCQRCKECEE 40
 Db 26 DQTPGQHQRVQLPLERCVICAYFOCVQESPKHNMVYWMLEVCECCCECCKE 85

Query Match 7; Score 41.5; DB 86; Length 88

RESULT 7

US-08-656-380-43

Sequence 43, Application US/08465380

PATENT NO: 5863894

GENERAL INFORMATION:

APPLICANT: George P. Vlasek, Patric H. Stanssens, Joris H.L. Mensens, Marc J. Lauwers, Yves R. Larocque, Laurent S. Jespers, Peter W. Bergum, Yanick G.J. Gansmans, Matthew Moyle, TITLE OF INVENTION: NEMATO-E-XTRACTED ANTICOAGULANT

APPLICANT: Yannick G.J. Gansmans, Marc J. Lauwers, Joris H.L. Mensens, Peter W. Bergum, Laurent S. Jespers, Peter W. Bergum, Yanick G.J. Gansmans, Matthew Moyle, TITLE OF INVENTION: NEMATO-E-XTRACTED ANTICOAGULANT

NUMBER OF SEQUENCES: 356

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.

ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/465,380
 FILING DATE: June 5, 1995
 CLASSIFICATION: 530

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/326,110
 FILING DATE: October 18, 1994

ATTORNEY/AGENT INFORMATION:

NAME: BIGGS, SUZANNE L.

REGISTRATION NUMBER: 30,158

REFERENCE/DOCKET NUMBER: 213/268

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600
 TELEX: (213) 955-0440
 TELEX: 67-3310

INFORMATION FOR SEQ ID NO: 43:

SEQUENCE CHARACTERISTICS:
 LENGTH: 88 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide

ORIGINAL SOURCE: peptide

TELEPHONE: 617-861-6240
 TELEFAX: 616-861-9340
 INFORMATION FOR SEQ ID NO: 33:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 215 amino acids
 TYPE: AMINO ACID
 TOPOLGY: unknown
 MOLECULE TYPE: protein
 PCT-US93-05000-33

ATTORNEY/AGENT INFORMATION:
 NAME: Granahan, Patricia
 REGISTRATION NUMBER: 32,227
 REFERENCE/DOCKET NUMBER: CSHL91-02A
 TELECOMMUNICATION INFORMATION:

ORGANISM: *Ancylostoma caninum*
US-08-465-380-43

Query Match 23.4%; Score 58.5; DB 2; Length 88;
Best Local Similarity 36.4%; Pred. No. 4.5; Mismatches 5; Indels 7; Gaps 2;

Matches 12; Conservative 9; Mismatches 5; Indels 7; Gaps 2;
Oy 18 QOESGPRO-----QOYCQRCK-EICEEEBEY 43
Db 4 EKECGPHERLDGNGNKKPCERKCKITSEEDDY 36

RESULT 8
US-08-486-397-43
; Sequence 43, Application US/08486397
; Patent No. 5806542

GENERAL INFORMATION:

APPLICANT: George P. Vlasuk, Patric H. Stanssens,

APPLICANT: Joris H.L. Mensens, Marc J. Lauwers,

APPLICANT: Yves R. Laroche, Laurent S. Jespers,

APPLICANT: Yannick G.J. Gansmans, Matthew Moyle,

APPLICANT: Peter W. Bergum

TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT

TITLE OF INVENTION: PROFIN

NUMBER OF SEQUENCES: 357

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: Suite 4700

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/486,397

FILING DATE: June 5, 1995

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/326,110

FILING DATE: October 18, 1994

CURRENT APPLICATION DATA:

APPLICATION NUMBER: 08/326,110

FILING DATE: October 18, 1994

ATTORNEY/AGENT INFORMATION:

NAME: BIGGS, SUZANNE L.

REGISTRATION NUMBER: 30,158

REFERENCE/DOCKET NUMBER: 213/270

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 43:

SEQUENCE CHARACTERISTICS:

LENGTH: 88 amino acids

TYPE: amino acid

TOPLOGY: linear

MOLECULE TYPE: peptide

ORIGINAL SOURCE:

ORGANISM: *Ancylostoma caninum*

RESULT 9

US-08-486-399-43

; Sequence 43, Application US/08486399

; Patent No. 5806543

GENERAL INFORMATION:

APPLICANT: George P. Vlasuk, Patric H. Stanssens,

APPLICANT: Joris H.L. Mensens, Marc J. Lauwers,

APPLICANT: Yves R. Laroche, Laurent S. Jespers,

APPLICANT: Yannick G.J. Gansmans, Matthew Moyle,

APPLICANT: Peter W. Bergum

TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT

RESULT 10

US-08-461-965-43

; Sequence 43, Application US/08461965

; Patent No. 5872098

GENERAL INFORMATION:

APPLICANT: George P. Vlasuk, Patric H. Stanssens,

APPLICANT: Joris H.L. Mensens, Marc J. Lauwers,

APPLICANT: Yves R. Laroche, Laurent S. Jespers,

APPLICANT: Yannick G.J. Gansmans, Matthew Moyle,

RESULT 11

US-08-461-965-43

; Sequence 43, Application US/08461965

; Patent No. 5872098

GENERAL INFORMATION:

APPLICANT: George P. Vlasuk, Patric H. Stanssens,

APPLICANT: Joris H.L. Mensens, Marc J. Lauwers,

APPLICANT: Yves R. Laroche, Laurent S. Jespers,

APPLICANT: Yannick G.J. Gansmans, Matthew Moyle,

RESULT 12

US-08-461-965-43

; Sequence 43, Application US/08461965

; Patent No. 5872098

GENERAL INFORMATION:

APPLICANT: George P. Vlasuk, Patric H. Stanssens,

APPLICANT: Joris H.L. Mensens, Marc J. Lauwers,

APPLICANT: Yves R. Laroche, Laurent S. Jespers,

APPLICANT: Yannick G.J. Gansmans, Matthew Moyle,

RESULT 13

US-08-461-965-43

; Sequence 43, Application US/08461965

; Patent No. 5872098

GENERAL INFORMATION:

APPLICANT: George P. Vlasuk, Patric H. Stanssens,

APPLICANT: Joris H.L. Mensens, Marc J. Lauwers,

APPLICANT: Yves R. Laroche, Laurent S. Jespers,

APPLICANT: Yannick G.J. Gansmans, Matthew Moyle,

RESULT 14

US-08-461-965-43

; Sequence 43, Application US/08461965

; Patent No. 5872098

GENERAL INFORMATION:

APPLICANT: George P. Vlasuk, Patric H. Stanssens,

APPLICANT: Joris H.L. Mensens, Marc J. Lauwers,

APPLICANT: Yves R. Laroche, Laurent S. Jespers,

APPLICANT: Yannick G.J. Gansmans, Matthew Moyle,

RESULT 15

US-08-461-965-43

; Sequence 43, Application US/08461965

; Patent No. 5872098

GENERAL INFORMATION:

APPLICANT: George P. Vlasuk, Patric H. Stanssens,

APPLICANT: Joris H.L. Mensens, Marc J. Lauwers,

APPLICANT: Yves R. Laroche, Laurent S. Jespers,

APPLICANT: Yannick G.J. Gansmans, Matthew Moyle,

RESULT 16

US-08-461-965-43

; Sequence 43, Application US/08461965

; Patent No. 5872098

GENERAL INFORMATION:

APPLICANT: George P. Vlasuk, Patric H. Stanssens,

APPLICANT: Joris H.L. Mensens, Marc J. Lauwers,

APPLICANT: Yves R. Laroche, Laurent S. Jespers,

APPLICANT: Yannick G.J. Gansmans, Matthew Moyle,

RESULT 17

US-08-461-965-43

; Sequence 43, Application US/08461965

; Patent No. 5872098

GENERAL INFORMATION:

APPLICANT: George P. Vlasuk, Patric H. Stanssens,

APPLICANT: Joris H.L. Mensens, Marc J. Lauwers,

APPLICANT: Yves R. Laroche, Laurent S. Jespers,

APPLICANT: Yannick G.J. Gansmans, Matthew Moyle,

APPLICANT: Peter W. Bergum
 TITLE OF INVENTION: NEMATOIDE-EXTRACTED ANTICOAGULANTTM
 NUMBER OF SEQUENCES: 356
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage

COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C., DOS 5.0
 SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/461,965
 FILING DATE: June 5, 1995
 CLASSIFICATION: 530

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/326,110
 FILING DATE: October 18, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: BIGGS, SUZANNE L.
 REGISTRATION NUMBER: 30,158
 REFERENCE/DOCKET NUMBER: 210/243

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 43:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 88 amino acids

TYPE: amino acid
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE: Ancylostoma caninum
 ORGANISM: Ancylostoma caninum

US-08-634-641-43

Query Match 23.4%; Score 58.5; DB 2; Length 88;
 Best Local Similarity 36.4%; Pred. No. 4.5;
 Matches 12; Conservative 9; Mismatches 5; Indels 7; Gaps 2;

QY 18 QOESGPHQ-----QOYCQRACK-ECEEEBEY 43
 Db 4 EKECGPHERLDGNGNKKPCERCKKIESEEDDY 36

RESULT 11

US-08-634-641-43

Sequence 43, Application US/08634641
 Patent No. 5955294

GENERAL INFORMATION:

APPLICANT: Vlasuk, George P. Vlasuk
 APPLICANT: Stanssens, Patrick Eric Hugo
 APPLICANT: Mensens, Joris Hilda Lieven
 APPLICANT: Lauwerys, Marc Joseph
 APPLICANT: Laroche, Yves Rene
 APPLICANT: Jespers, Laurent Stephane
 APPLICANT: Ganssens, Yannick Georges Jozef
 APPLICANT: Moyle, Matthew
 APPLICANT: Bergum, Peter W.

TITLE OF INVENTION: NEMATOIDE-EXTRACTED ANTICOAGULANT
 TITLE OF INVENTION: PROTEIN
 NUMBER OF SEQUENCES: 356

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street

STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage

COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C., DOS 5.0
 SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/461,965
 FILING DATE: April 19, 1996

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/13231
 FILING DATE: October 17, 1995
 APPLICATION NUMBER: 08/486,399
 FILING DATE: June 5, 1995

APPLICATION NUMBER: 08/486,397
 FILING DATE: June 5, 1995

APPLICATION NUMBER: 08/465,380
 FILING DATE: June 5, 1995

APPLICATION NUMBER: 08/461,965
 FILING DATE: June 5, 1995

APPLICATION NUMBER: 08/326,110
 FILING DATE: October 18, 1994

ATTORNEY/AGENT INFORMATION:
 NAME: BIGGS, SUZANNE L.
 REGISTRATION NUMBER: 30,158
 REFERENCE/DOCKET NUMBER: 210/136

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 43:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 88 amino acids

TYPE: amino acid
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE: Ancylostoma caninum

US-08-634-641-43

Result 12

US-09-249-471-43

Sequence 43, Application US/09249471
 Patent No. 600441

GENERAL INFORMATION:

APPLICANT: Vlasuk, George Phillip
 APPLICANT: Stanssens, Patrick Eric Hugo
 APPLICANT: Mensens, Joris Hilda Lieven
 APPLICANT: Lauwerys, Marc Joseph
 APPLICANT: Laroche, Yves Rene
 APPLICANT: Jespers, Laurent Stephane
 APPLICANT: Ganssens, Yannick Georges Jozef
 APPLICANT: Moyle, Matthew
 APPLICANT: Bergum, Peter W.

TITLE OF INVENTION: NEMATOIDE-EXTRACTED SERINE PROTEASE
 TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
 NUMBER OF SEQUENCES: 356

PATENT NO. 60990916
 GENERAL INFORMATION:
 APPLICANT: Laroche, Yves Rene
 APPLICANT: Jaspers, Laurent Stephane
 APPLICANT: Gansemans, Yannick Georges Jozef
 APPLICANT: Stanssens, Patrick Eric Hugo
 APPLICANT: Messens, Joris Hilda Lieven
 APPLICANT: Moyle, Matthew
 APPLICANT: Bergum, Peter W.
 APPLICANT: Laroche, Yves Rene
 TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT PROTEIN
 TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT PROTEIN
 NUMBER OF SEQUENCES: 356
 NUMBER OF SEQUENCES: 356
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 MB
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: Word Perfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/249,451
 FILING DATE: April 17, 1997
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/809,455
 FILING DATE: April 17, 1997
 APPLICATION NUMBER: PCT/US95/13231
 FILING DATE: October 17, 1995
 APPLICATION NUMBER: 08/486,399
 FILING DATE: June 5, 1995
 APPLICATION NUMBER: 08/486,397
 FILING DATE: June 5, 1995
 APPLICATION NUMBER: 08/465,380
 FILING DATE: October 17, 1995
 APPLICATION NUMBER: 08/461,965
 FILING DATE: June 5, 1995
 APPLICATION NUMBER: 08/326,110
 FILING DATE: October 18, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: BIGGS, SUZANNE L.
 REGISTRATION NUMBER: 30,158
 REFERENCE/DOCKET NUMBER: 216/270
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1500
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 43:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 88 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: Peptide
 ORIGINAL SOURCE: Ancylostoma caninum
 US-09-249-451-43

Query Match 23.4%; Score 58.5; DB 3; Length 88;
 Best Local Similarity 36.4%; Pred. No. 4.5; Mismatches 12; Conservative 9; Indels 7; Gaps 2;

Qy 18 QQESGPRO----QQQCQRCK-EICEEEEEEY 43
 Db 4 EKECGPHERLDCCGNKKPCERKCKIETSEEDDY 36

Query Match 23.4%; Score 58.5; DB 3; Length 88;
 Best Local Similarity 36.4%; Pred. No. 4.5; Mismatches 12; Conservative 9; Mismatches 5; Indels 1;

Qy 18 QQESGPRO----QQQCQRCK-EICEEEEEEY 43
 Db 4 EKECGPHERLDCCGNKKPCERKCKIETSEEDDY 36

RESULT 15
 US-08-609-455-43
 Sequence 43, Application US/08809455

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Job time: 379 sec